SuperMax

FT 9950 POWER PLUS
AC 9200 POWER PLUS
1X1 POWER PLUS
9400 POWER PLUS

USER'S GUIDE

DVB
Digital Video
Broadcasting

mul**ti**
PIC+URE

CARD READER

PICTURE IN
ZOOM & PAUSE

BLIND
search

Universal Serial Bus
USB

UNICABLE
TECHNOLOGY

Stab - USALS
UNIVERSAL SATELLITES
AUTOMATIC LOCATION SYSTEM

MP3

SuperMax   9950   FT 9950 POWER PLUS

SuperMax   9200   AC 9200 POWER PLUS

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General Safety (Warning)

Please read the following recommended instructions carefully to avoid the risk of your physical injury before the product is operated.

- Check the receiver's operation voltage : AC90-250V, 50/60Hz.
- Do not cover the receiver and keep a clear space around the receiver for sufficient ventilation.

- Keep a liquid away from the receiver.
- The receiver shall not be exposed to dripping or splashing and the objects that filled with liquids such as vases shall not be placed on the receiver.

- Unplug the receiver from the wall outlet before cleaning.
- Use a soft cloth and a mild solution of washing-up liquid to clean the casing.

- Do not block the receiver's ventilation slots which are provided for ventilation and protection against overheating.
- Maintain the receiver in the free airflow.

-Do not allow the receiver to be exposed to the hot, cold or humid condition.
- Do not use any cable and attachment that is not recommended as that may damage your receiver.

- Unplug the receiver from the wall outlet and disconnect the cable between the receiver and antenna when you will not use it for a long time.

- The wall outlet shall be placed near the receiver and shall be easily accessible
- Do not remove the cover to reduce the risk of electric shock.

- Do not attempt to service the receiver for yourself.
- Refer to a qualified service personnel for all technical supports.

Contents

1. Overview

(1) The front of the digital receiver

STANDBY	Switches the receiver power On and Standby.
VOL UP/DOWN	Volume up / down or selects the item of menu.
CH UP/DOWN	Channel up / down or selects the item of menu.
USB	Connects your USB devices to USB Port.
	Firmware update, data transfer and Save recording files available.
Card Slot [Optional]	Insert Smart Card to this slot.
CI Slot [Optional]	Insert CAM to this slot.

(2) The back of the digital receiver

LNB IN	Satellite broadcasting signal input socket.
LNB OUT	Satellite broadcasting signal output socket through the LNB IN socket for another digital receiver.
RS-232	Connects to personal computer for software upgrade.
TV SCART [Optional]	Composite video output socket for the television set
TV OUT	Connects to RF-Modulator Cable.
Y/Pb/Pr [Optional]	Component video output socket for the television set.
VIDEO	Composite video output socket for the television set(yellow).
AUDIO L/R	Stereo audio output socket for the television set or the audio system(white/red).
S/PDIF [Optional]	Dolby digital output socket for the audio system.
LAN [Optional]	This is allows you to set network Configuration for network applications.

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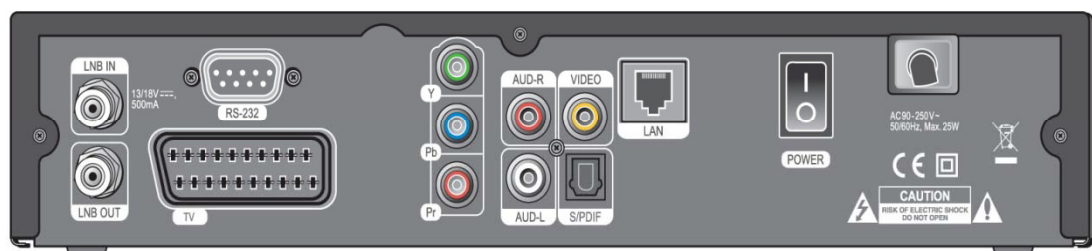
2. Remote Control Unit

STANDBY (⏻) Switches between operation and standby modes

SOURCE Switching among TV/AV/VCR mode

NUMERICAL BUTTONS (0~9**)** Used to enter a service number for service change or to specify values for menu options

POSITIONER Control Diseqc1.2 or USALS miscellaneous

TUNING Control tuner signal miscellaneous

MUTE (🔇) Mutes or un-mutes the audio temporarily

AUDIO Used to select alternative audio track and audio channel (stereo, mono, etc)

SAVE Saving each channels Audio volume.

BACK Recall

MENU Go to Menu

SAT Display Satellite list

EPG Electronic Program Guide

EXIT Exit

FAV Display Favorite channels list

INFO Display channel detail information

TV/RADIO Switching TV / RADIO channel

COLOR KEYS (CA+, F+ ...) Special functions

TELETEXT (📄) Enters the digital text service

SUBTITLE (⬜) Displays the subtitle language list

SLEEP TIMER (🕐) Sets the sleep timer

UHF RF-Modulator Channel control

COLOR Adjust Video color

MULTICH Multi feed

REWIND (◀◀) Reverse playback

PLAY/PAUSE(▶‖) Play files or Pause

FORWARD (▶▶) Fast Forward

RECORD (●) Starting channel record (PVR)

STOP (■) Stop recording

Record List (▶☰) Display Record list

3. Menu Guide

3.1 Manager

(1) Channel Manager

You may sorting, moving, delete and edit Channel names.
Press OK button. Then you can control channels by Favorite, Lock channel, Hide channel, Move, Delete, Edit name and Edit PID.

Note:
Detail usage is at Chapter 5. 'Channel List information' in this manual.

(2) Event Manager

Displaying record reservation list on this menu.
Event timer is possible to add EPG Menu and Event Timer menu.

Event manager: Press RED (Insert) , you can see the Edit event popup menu.
Event : you can setup as like "Record, Live, Wakeup, Sleep". And then setup other items and then press Save. You can use event manager.

(3) USB Manager

USB functions are,
Press Sort key(Green button) then it shows Software → Music → Photo → Movie

- S/W upgrade: Detail usage is at chapter 6. 'S/W upgrade by USB Stick memory.
- Music: MP3 format is available.
- Photo display: *.jpeg format is available.
- Movie: PVR/*.ts file format is available.

  Press PVR file, you can play recorded channels.
- Delete: You may delete file by press Yellow button.
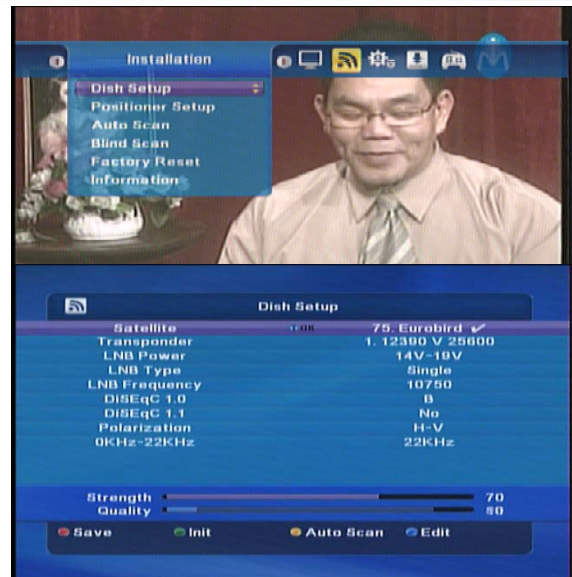
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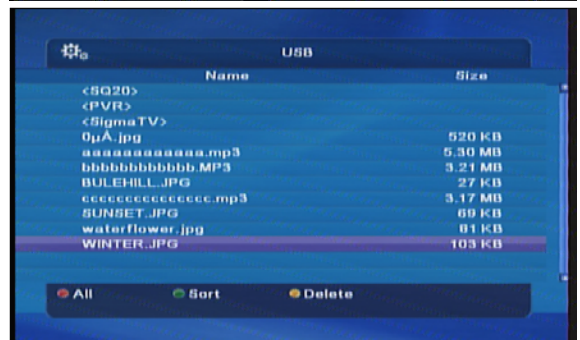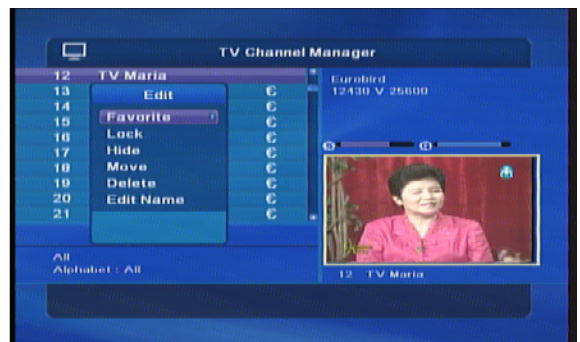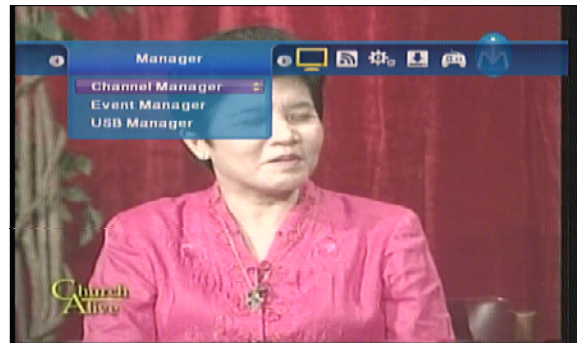
3.2 Installation

In this chapter you can Searching channels,
Satellite Scan, Provider Scan, Edit TP/Satellite,
DiSEqC Positioner and Factory Reset.

(1) Dish Setup

This Chapter describes how to searching channels.
You can set Dish and LNB Information for channel
searching.

Note:

Save: Red button.
Initialize: Green button.
Auto Scan : Yellow button.
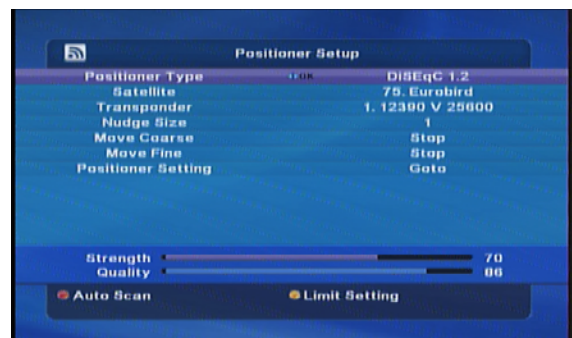Edit : Blue button.

(2) Positioner Setup

You can control several dishes by DiSEqC1.2 or USALS.

When you use USALS, please set Longitude
and Latitude in your area accurately.

Note:

Auto Scan: Red button
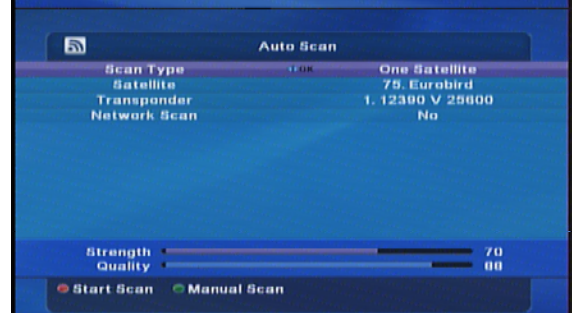Limit Setting: Yellow button.

(3) Auto Scan

Auto scan is convenient way searching
Multi-satellite in one time

Press Start scan, It will start searching.

Start Scan: Red button
Manual Scan: Green button
-you can search advance way as like PID search and
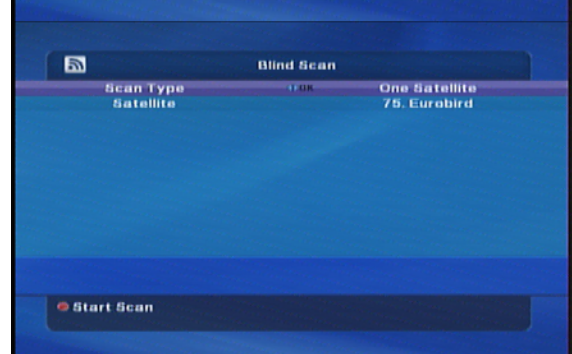edit frequency also.

(4) Blind Scan

Searching all channels without TP information.
If you don't know information about TP and dishes,
this function will help you searching channels easily.

Start Scan: Red button

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(5) Factory Reset
Restore the product to the factory default.

Warning : Please note that once you perform Factory reset, all data such as the antenna setting information, channel list and user configured data will be deleted.

(6) Information
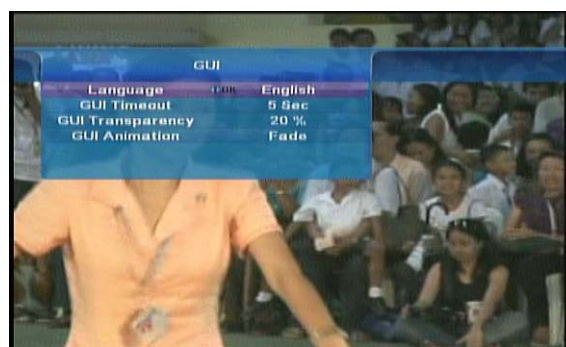Display installed S/W information. You can check S/W installed S/W version.

3.3 System Setting
In this chapter you can set options for System settings Likes GUI languages, Video, Parental Lock, Time and Color Setting options.
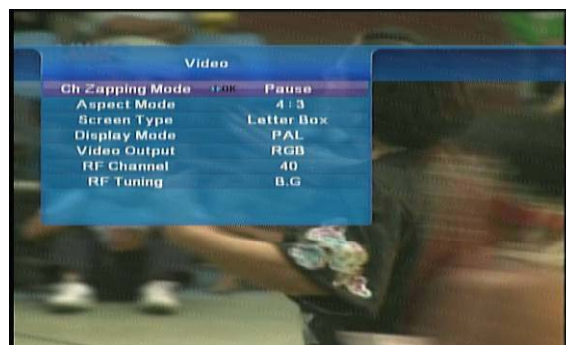
(1) GUI
- Language: English and various languages.
- GUI Timeout: You can select 1sec ~ 30sec
- GUI Transparency: You can select 0% ~ 80%
- GUI Animation: None, Fade

(2) Video
- Ch Zapping Mode: Pause, Blank, Fade
- Aspect Mode: 4:3, 16:9, Auto
- Screen Type: Letter Box, Center, Combined, Full
- Display Mode: PAL, NTSC, SECAM, PAL&NTSC
- Video Output: RGB, CVBS
- RF Channel: Insert channel number
- RF Tuning: M.N, B.G, I, D.K
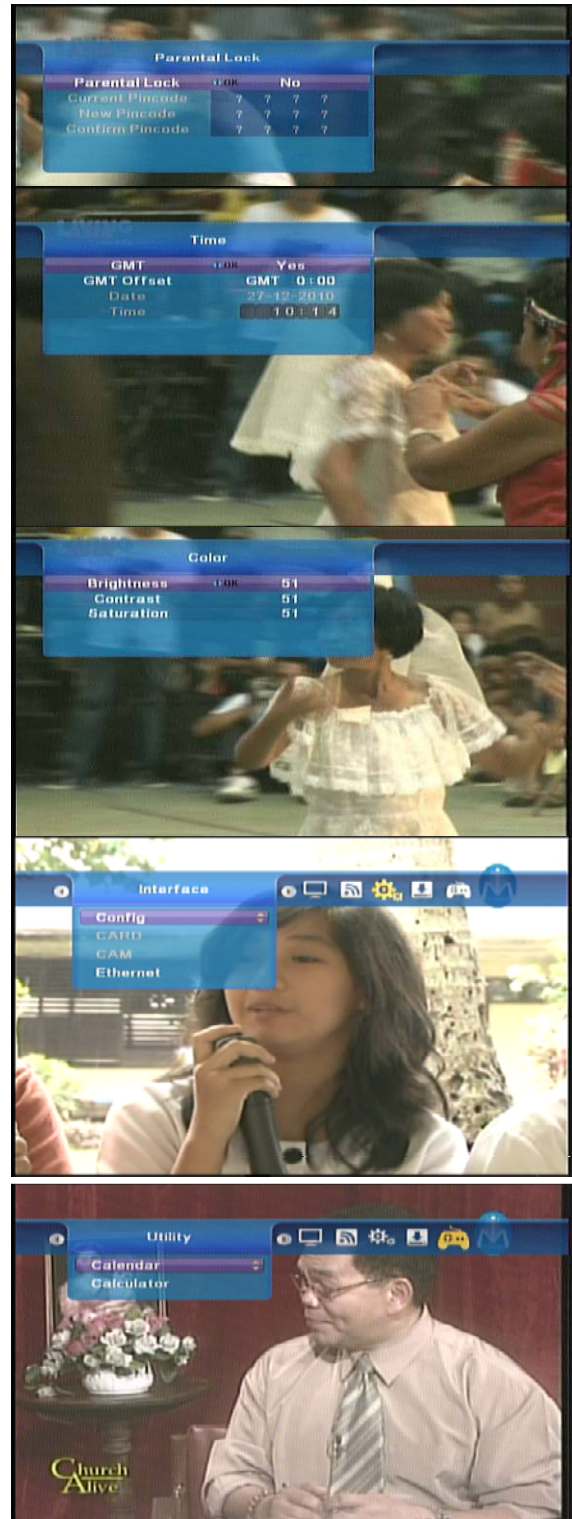
(3) Parental Lock
 Parental Lock

(4) Time
 Adjust Time
 - Auto: Adjust time from satellite signal automatically
 - Manual: Setting manually.

(5) Color Setting
 You can adjust Brightness, Contrast, Saturation.

3.4 Interface [Optional]
In this chapter you can set Smart Card, Common
Interface, Network and Additional functions.

(1) Config
(2) Card [Optional]
(3) CAM [Optional]
(4) Ethernet [Optional]

3.5 Utility
In this chapter you can set Calendar, Calculator

(1) Calendar
(2) Calculator

4. EPG (Electronic Program Guide)

The Electronic Program Guide displays program information about each channels, based on the date and time. You can also schedule your recording using the information given.
Press the EPG button.

1. Program Guide Information
You can view program information for all channels.
- More: Red button (You can see more EPG info.)
- 7days: Green button
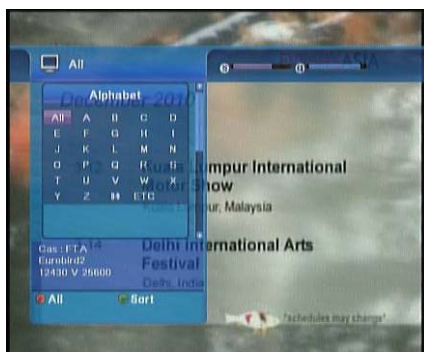- Booking: Yellow button
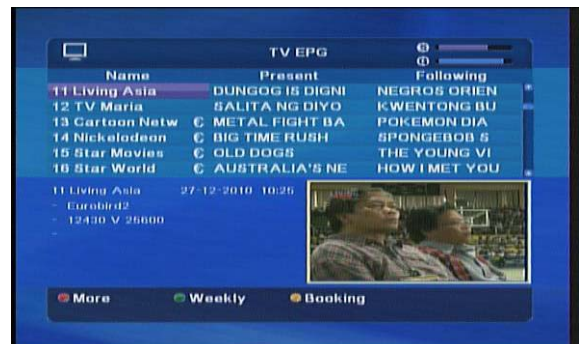
2. Booking
You can Record, Sleep, Wakeup channel as you select.
First, you must to check in Event Manager menu.

5. Channel List information

You can sorting channels by various way.

During watching TV Press OK button.
- All channels: Red button
- Sort: Green button
 (Alphabet, CAS, Transponder, Satellite)

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6. Software Upgrade by USB stick memory

1. Download a new soft-ware from website.
2. Copy the soft-ware file to your USB memory stick.
3. Insert the USB memory stick into the USB port.
4. Go to Manager menu and USB manager.
5. Press the Green button on RCU for sorting S/W
6. Select S/W then Press OK button on RCU.

*Note***:**

Your USB memory must be formatted in the FAT or FAT32 file system.
Otherwise, the digital receiver can not recognize your USB memory.
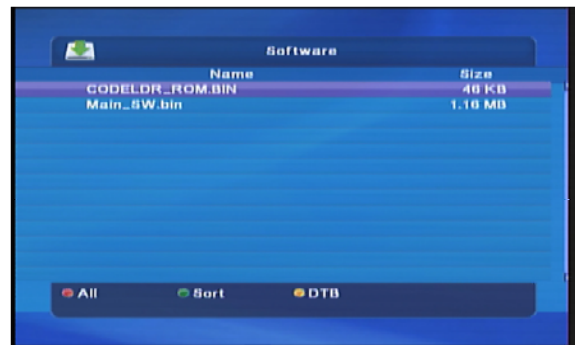
7. Software Upgrade by Serial (RS-232 Cable)

You may upgrade S/W by Serial mode (RS-232 Cable) as following way.
1. On your PC, press 'Start' → 'Hyper terminal'
2. Bit rate: 115200
3. Data bit: 8
4. Parity: None
5. Stop Bit: 1
6. Flow control: None
7. Run Hyper terminal.
8. Turn on receiver while press 'Volume up' key on front panel.
9. Display 'ccc' on Hyper terminal, then select Transfer → sending file → select S/W
10. Protocol type set 'Ymodem'
11. Press Sending.

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8. Troubleshooting Guide

PROBLEM	SOLUTION
Does not display any Mess-age or the front panel or STB has no power.	• Check the main power cable and check that it is plugged into a suitable power outlet. • Check whether STB is in Standby mode.
No Picture	• Ensure that the STB is switched on. • Check the video output port (RCA jack) is firmly connected to the TV or VCR. • Check that you have selected the correct channel or Video Output on your TV.
Pool picture quality	• See "No Picture" above. • Check the signal level. If this is low then try adjusting the alignment of your dish.
No Sound	• See "No Picture" above. • Check the volume level of the TV and STB. • Check the mute status of the TV and STB.
Remote Control does not Operate	• Point remote control directly towards the STB. • Check and replace batteries. • Check that nothing blocks the front panel.
No or Bad Signal	• Check the LNB, replace LNB if necessary. • Check the cable from the LNB. • Check the position of the dish, realign dish if necessary. • If you are using a DiSEqC 1.0, check that you have connected the LNBs to the correct connections on the switch. • Check the "Signal Level" and Signal Quality".
No Signal	• See "No or Bad Signal" above. • Check the LNB, replace LNB if necessary. • Check the cable from the LNB. • Check the position of the dish, realign dish if necessary.

PROBLEM	SOLUTION
	DiSEqC 1.0 • Check that you have connected the LNBs to correct connections on the switch. • Check that you have set the connected Setting in the Installation menu. **DiSEqC 1.2** • Check that you have selected this in the Installation menu. • Check that the dish is aimed at the correct satellite.
The front panel does not display the time.	• Make sure you have switched on the STB. • Switch the STB on and turn to a service to allow the STB to receive the time sent with the signal by the service provider. • Front panel will only display the time in Standby mode.
Time displayed on the front panel is incorrect.	• Adjust the time in the Time Settings menu.

9. Specification

Tuner & Channel

Input Connector	F-type, IEC 169-24, Female
Frequency Range	950 ~ 2150MHz
Signal Level	-65 ~ -25dBm
LNB Power & Polarization	Vertical: +13.5V
	Horizontal: +19V
	Current: 500mA Max. Overload Protection
22KHz Tone	Frequency: 22 ± 4KHz Amplitude: 0.6 ± 0.2V
DiSEqC Control	Version 1.0/1.2 Compatible, USALS
Demodulation	QPSK
Input Symbol Rate	2 ~ 45Msps
FEC mode	DVB-S: Auto, 1/2, 2/3, 3/4, 5/6, 7/8

MPEG Transport Stream A/V Decoding

Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level	MPEG2: MP@ML, MP@LL, SP@ML
Aspect Ratio	4:3, 16:9, Letter Box
Video Resolution	576i/480p
Audio Decoding	MPEG I/II
Audio Mode	Stereo

Memory

Flash Memory	2Mbyte
Graphic(MPEG) & System DRAM	16Mbyte

A/V & Data In / Out

Video	RCA: CVBS RF Modulator
Audio	Audio L/R, S/PDIF(Fiber-Optic)
USB	USB2.0 Host (5V, Max. 500mA)
Smart Card	1 Smart Card Slot (Optional)

Power Supply

Input Voltage	AC90~250V, 50/60Hz
Type	SMPS
Power consumption	Max. 25W

Physical Specifications

Size	270 x 50 x 175mm
Weight	Around 2.0Kg
Operating Temperature	0℃ ~ +45℃
Storage Temperature	-10℃~ +70℃

SuperMax®

www.supermaxsat.com